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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Thomas L. Foster

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EXAMINER

NGUYEN, TUAN VAN

ART UNIT

PAPER NUMBER

3731

MAIL DATE

DELIVERY MODE

11/10/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/617,580	Applicant(s) FOSTER ET AL.	
	Examiner TUAN V. NGUYEN	Art Unit 3731	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 3 September 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,5-11,13-17,20-23 and 25-29 is/are pending in the application.
- 4a) Of the above claim(s) 9,23 and 27-29 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,5-7,12-22 and 24-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>9/3/08</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after the final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on September 3, 2008 has been entered.

Response to Amendment

2. Applicant's remarks filed on September 3, 2008 with respect to (A) Statement of Prior Invention under 37 C.F.R. § 1.131 that the inventor of record declare that the invention was invented prior to November 15, 2001 and (B) 35 U.S.C § 103(c) prevents the Foster reference from being included in an obviousness rejection have been fully considered and persuasive, therefore, the previous rejection is hereby withdrawn.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 1. Determining the scope and contents of the prior art.
 2. Ascertaining the differences between the prior art and the claims at issue.
 3. Resolving the level of ordinary skill in the pertinent art.
 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
5. **Claims 1, 2, 5-7, 12-22, and 24-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sachdeva et al (U.S. 5,885,258) in view of Jones et al (U.S. 5,843,050).**
6. As to claims 1, 7, 13-14 and 18-21, Sachdeva discloses (see Figs. 1A-1D) a retrieval device made from shape-memory alloy comprising: a cannula 11 comprising a proximal portion; a distal portion; a grasper portion, which includes plurality of slots 12, located at the distal portion of the cannula 11; and a sheath 13 for controlling the grasper portion (col. 3, lines 32-50). Sachdeva further discloses a delivery tube 63 or an introducer sheath 63, a tool or grasper 62 located at the distal end of cannula 61, wherein the grasper and the cannula is a one piece unitary component (col. 4, lines 40-50). Sachdeva discloses the invention substantially as claimed except for the distal portion of the cannula comprises a

spiral cut along a longitudinal axis of the cannula. However, Jones discloses (see Fig. 3) a microcatheter 10 having tubular element 30 wherein a distal portion of tubular 30 includes at least two sections with spiral cut wherein spiral cut of each section having different pitch to provide a high degree of flexibility to facilitate negotiation of small, tortuous vessels (see Abstract and col. 5, lines 1-40).

Therefore, it would have been obvious to one of ordinary skill in the art to incorporate the spiral cut, as disclosed by Jones, into the distal portion of the cannula of Sachdeva so that it too would have the same advantage.

7. As to claims **2, 5, 6, 15-17, 22, and 25-26**, the device of Sachdeva as modified by Jones discloses the invention substantially as claimed except for specifically disclosing the dimensions that claimed by the applicant. It would have been obvious to one having ordinary skill in the art to design the spiral cut is taken about 60 to about 80 degrees from the longitudinal axis of the cannula and the width of the spiral cut is about 0.001 to about 0.002 inches wide, since it has been held that where the general conditions of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art. In re Aller, 105 USPQ 233. Extrinsic evidence, Pinchuk (US 4,960,410) discloses spiral cut is taken about 25 to about 85 degrees from the longitudinal axis of the cannula (col. 3, lines 58-60).
8. As to claims **10, 11 and 20**, Sachdeva discloses the device can be used in urethra (col. 4, line 33) and it further includes an optical fiber 106, 111 (Figs. 10A &

10C, col. 5, lines 60-65 and col. 6, lines 10-14), an irrigation system (col. 1, lines 53-55), and a laser system (claim 11).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUAN V. NGUYEN whose telephone number is (571)272-5962. The examiner can normally be reached on M-F: 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Todd Manahan can be reached on 571-272-4713. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/T. V. N./
Examiner, Art Unit 3731

/Todd E Manahan/
Supervisory Patent Examiner, Art Unit 3731